

**REMARKS**

Reconsideration and allowance of the subject application are respectfully requested. Claims 1-9 are all the claims pending. Applicant submits the pending claims define patentable subject matter.

***Preliminary Matters***

As an initial matter, Applicant notes that the Examiner has not indicated that the certified copy of the priority document, submitted February 23, 2004, has been received by the Patent Office. Applicant therefore requests the Examiner make such indication in the next official communication.

***Claim Rejections - 35 USC § 101***

The Examiner rejects claim 9 for minor informalities. The informalities noted by the Examiner by the Amendment to the Specification made herein. Applicant respectfully requests that the Examiner withdraw the rejection.

***Claim Rejections - 35 USC § 102***

Claims 1-9 are rejected under 35 U.S.C. 102(e) as being anticipated by Nagarajan et al. (US Pub. 2004/0062248; hereinafter "Nagarajan"), hereinafter Nagarajan. Applicant respectfully traverses the rejection as follows.

Independent claim 1 recites, in part:

(b) updating sequence numbers stored in the sliding window by adding a size of the sliding window or predetermined

amount to each of the sequence numbers if the sliding window is full of IP packets.

Nagarajan is directed to sequence number schemes for accepting and rejecting duplicated packets. Nagarajan, however, does not appear to disclose anything about updating sequence numbers by adding a size of the sliding window to each of the sequence numbers if the sliding window is full of IP packets.

Nonetheless, regarding claim 1, the Examiner asserts that Nagarajan teaches all of the claimed features, and cites several portions of Nagarajan in support of his position. Specifically, regarding the claimed feature, “updating sequence numbers stored in the sliding window by adding a size of the sliding window or predetermined amount to each of the sequence numbers if the sliding window is full of IP packets,” the Examiner cites paragraphs [0027] and [0028]. However, paragraph [0027] simply describes implementing a sliding window algorithm and that a sequence number comparison is made in order to determine whether to accept or reject a packet. Similarly, paragraph [0027] merely discusses the appropriate size of a sliding window. The cited text is completely silent as to updating the sequence number, in any way whatsoever. Thus, Applicant submits the rejection over Nagarajan is improper.

Accordingly, Applicant submits independent claim 1 is patentable over Nagarajan for at least these reasons. Further, Applicant submits independent claim 9 is patentable for analogous reasons.

Independent claim 2 recites, in part:

- (a) setting the size and sequence number information of a sliding window;
- (b) receiving an IP packet and reading a sequence number included in the received IP packet;

(c) determining whether or not the sequence number of the received IP packet is within a range of sequence numbers of the sliding window set in (a);

(d) if the sequence number of the received IP packet is within the range of the sequence numbers of the sliding window, transmitting the received IP packet to a specified network layer and otherwise, abandoning the received IP packet;

(e) determining whether or not the sliding window is full of IP packets; and

(f) updating the sliding window if the sliding window is full of IP packets.

Nagarajan, on the other hand, does not appear to disclose using sliding windows and then updating the sliding window if the sliding window is full of IP packets. Nevertheless, the Examiner again cites the same portions of Nagarajan noted above regarding independent claim 1. However, nothing in the cited text mentions anything whatsoever about updating a sliding window, if the sliding window is full of IP packets. Instead, as noted above, the cited portion of Nagarajan simply discusses generally using a sliding window algorithm to accept or reject packets, based on a sequence number, and what the appropriate size of the window should be. Nagarajan does not state that the window size is updated. Thus, Applicant submits Nagarajan does not disclose the unique feature “updating the sliding window if the sliding window is full of IP packets.”

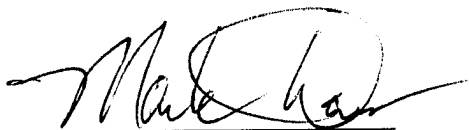
Accordingly, Applicant submits independent claim 2 is patentable over the prior art of record for at least these reasons. Similarly, Applicant submits independent claim 7 is patentable for analogous reasons. Further, Applicant submits dependent claims 3-6 and 8 are patentable over the prior art of record, at least by virtue of their respective dependency on claims 2 and 7.

***Conclusion***

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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